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INFORMATION REPORT INFORMATION REPORT

CENTRAL INTELLIGENCE AGENCY

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SUBJECT	Hungarian Small Arms Production (plts. convertability; facilities misc info)	DATE DISTR.	14 JUN 1961
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plants are administratively under Section Ib of the Hungarian Ministry for Metallurgy and Machine Industries. This section supervises all of the factories and shops engaged actively in the production of small arms and all plants which can be rapidly converted to this type of production. 50X1-HUM

1. Nehesszerszam Gepgyar Diosgyor - Diosgyor Heavy Machine Tool Plant: The principal production at this plant is large caliber gun barrels with a diameter between 70 mm and 150 mm and with lengths of four to ten meters. In addition stationary 100 horsepower diesel engines and air compressors are produced. The following items of machinery are installed in the plant:

- 30 Skoda ten meter-long lathes, modern type
- 4 WMW (East German) special boring machines, ten meters high, for boring gun barrels
- 20 "Schleifer" and WMW horizontal milling machines, newest type
- 20 Csepel and WMW vertical milling machines, modern type
- 5 special gear wheel cutters - Pfauter type
- 4 WMW gear tooth planning machines - newest type
- 2 Skoda stroke grinders
- 20 WMW and ED-47 (Hungarian) revolving lathes
- 5 WMW special boring machines for diameters up to 60 mm

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2. Gyöngyösi Szerszám Gépgyár - Gyöngyös Machine Tool Plant.

This plant was built during the years 1952 - 1954; it was initially intended that it should be built into the nearby hill but this proved to be too difficult because of the rock foundation. It is now housed in a flat concrete building about 150 m x 150 m. The plant was originally built for armaments production, but in early 1961 only tractors and harvester threshers were produced. Within 24 hours the plant could be converted to the production of small caliber fire arms. There are about 150 machines installed in the shop, including the following items:

Lathes with the height of the centers between 125 and 300 mm

Revolving lathes with spindle borers between 25 and 90 mm

Milling machines between 5 and 10 horsepower

Various types of grinding machines between 3 and 8 horsepower

Gear wheel cutters and planers up to a maximum teeth size of 5 Moduls

Various types of boring machines

3. ÁTRA - Automobile and Tractor Parts Factory in Budapest, Soroksari ut. This is the smallest plant under Section Ib; it is housed in a workshop about 100 m x 50 m. Before 1956 tank parts were produced here; now only tractor and automobile parts are produced, but the plant could be converted back to tank parts production on short notice. The following equipment is installed in the workshop, all modern-type machines from East Germany, Czechoslovakia and the Soviet Union:

40 lathes and revolving lathes

30 milling machines

10 grinding machines

10 gear wheel cutters and planers

20 boring machines

10 special metal working machines

4. Lépgyár - Lamp Factory in Budapest, Soroksari ut.

This plant is a huge concern employing several thousand persons engaged in the production of guns, machine pistols, light machine guns and heavy

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machine guns which are issued to the Hungarian armed forces and exported to Warsaw Pact countries. Some of the machinery was completely replaced in 1958. Production includes 3,000 machine pistols a month. These are a new Soviet-type 7.62 caliber machine pistol with a slightly curved magazine rod (Stangenmagazin). Some of these pistols are being exported to Egypt.

5. Finommechanikai Vállalat - Precision Mechanical Concern in Budapest, Fehervari ut. This plant was constructed during the years 1952 to 1954 and is located on the former Rakosi troop training grounds. The individual workshops of this concern are widely separated for tactical defense considerations and the entire concern is heavily guarded. The principal production is of truck-mounted radar units and ultra-short wave telephone systems. The synthetic materials needed by this plant are imported. The following machinery is installed at the plant:

8 TOS (Czechoslovak) horizontal lathes

5 vertical lathes with a diameter over 2 meters

5 Till semi-automatic special milling machines

6 Pfauter semi-automatic gear wheel cutters

6 MAG (East German) gear wheel planers

An additional 50-odd machines of various types mostly old models

6. Gamma Optikai Művek - Gamma Optical Works in Budapest XI, Fehervari ut. This plant was completely rebuilt and modernized in 1954. Optical sights for anti-aircraft guns and homing-devices for artillery and trench mortars were constructed here. As of early 1961 no military equipment at all was made at the plant, although the plant could be converted on short notice. In February 1961 the plant was involved in the Hungarian diesel manufacturing program and only Bosch-type injection pumps were being made.

7. Magyar Optikai Művek - Hungarian Optical Works in Budapest. This plant is about twice the size of the Gamma Optical Works and is primarily engaged in the production of precision instruments like cameras, geological measuring instruments, etc. The major part of the production is exported to China. Recently tropical-type equipment has been produced for export to the Arab countries.

The plant is equipped with modern machine tools made in East Germany and Czechoslovakia.

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8. Nehesszerszam Gépgyár Gödöllő - Gödöllő Heavy Machine Tool plant.
This plant is also administratively under Section Ib.
9. Danuvia Szerszám Gépgyár - Danuvia Machine Tool Plant in Budapest XIV, Angol utca 10 - 20. Workshops I and II were consolidated in January 1961 into workshop I housed in a large 120 m x 60 m shed. The principal production of Workshops I and III in February 1961 consisted of the Danuvia 125 cc. motorcycle, of which 2,000 are produced each month. The production norm for a domestic model motorcycle is 56 hours; the export model takes an extra 6 hours, and 200 or 300 are exported each month to Yugoslavia. It costs about 8,000 forints to produce one motorcycle; the retail price is about 12,600 forints. The wages involved in the production of one motorcycle are 500 forints. Workshop IV was engaged in the production of induction pumps and was subordinate to the diesel manufacture program, as of February 1961. Workshop V had previously been used for the production of parts for the Ganz diesel engines; since July of 1960 this shop has been used for armaments production. In February 1961 production consisted of 3,000 casings (Gehäuse) a month for the new Soviet-type machine pistol. The casings are then sent to the Lamp Factory where they are assembled (see paragraph 4). Workshop VI has been engaged in armaments production since July 1960. A light machine gun of 7.62 caliber with belt feed and bipod was being produced in February 1961; it was anticipated that production could be expanded to 300 machine guns a month by December 1961. The entire gun is produced and assembled in this Workshop; it is rumored that all of the guns are for export to the UAR. The Danuvia plant maintains a type of museum of all the armaments previously produced in the plant with blueprints, tools, models etc. necessary for resumption of production. On short notice the following items which were discontinued in 1956 could again be manufactured:
- "ZF" - Soviet type machine pistol with drum magazine (Trommelmagazin)
 - "ZG" - Soviet type light machine gun with plate magazine (Teller-magazin)
 - "ZF" - Soviet model heavy machine gun with belt feed, mounted on two wheels

In all there are about 2,000 employees at the Danuvia Machine Tool Plant working on two and three shifts; the machinery is all very modern and is only being utilized at one-half capacity.

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